

Application No.: 10/716,739  
Applicant: PANDIAN et al.  
Filed: November 18, 2003  
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### Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

#### Listing of Claims

1-22. (Cancelled)

23. (Currently amended) A method for detecting a trophoblastic disease in a subject comprising the steps of:

contacting a biological sample obtained from a subject with ~~antibodies that specifically bind a first antibody that specifically binds~~ hyperglycosylated human chorionic gonadotropin and a different second antibody that specifically binds human chorionic gonadotropin, in one assay;

determining an amount of hyperglycosylated human chorionic gonadotropin present in the biological sample;

determining an amount of human chorionic gonadotropin present in the biological sample;

confirming that the subject is not pregnant;

comparing the determined amount of hyperglycosylated human chorionic gonadotropin present in the sample to a 50th percentile of amounts of hyperglycosylated human chorionic gonadotropin present in samples obtained from subjects who do not have a trophoblastic disease; and

comparing the determined amount of human chorionic gonadotropin present in the sample to a 50th percentile of amounts of human chorionic gonadotropin present in samples obtained from subjects who do not have a trophoblastic disease,

wherein an amount of hyperglycosylated human chorionic gonadotropin or an amount of human chorionic gonadotropin present in the sample which is greater than the 50th percentile of the amounts of hyperglycosylated human chorionic gonadotropin or human chorionic gonadotropin present in the ~~standards~~ the samples obtained from subjects who do not have a trophoblastic disease, respectively, indicates the presence of a trophoblastic disease.

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24. (Original) The method of claim 23, wherein the trophoblastic disease is a choriocarcinoma.

25. (Original) The method of claim 23, wherein the trophoblastic disease is a hydatidiform mole.

26-41. (Cancelled) .

42. (Previously presented) The method of claim 23, wherein the sample is selected from the group consisting of liquid samples, and tissue samples.

43. (Previously presented) The method of claim 23, wherein the determining step comprises detecting a signal produced by a label.

44. (Previously presented) The method of claim 43, wherein the signal is a chemiluminescent signal.

45-50. (Cancelled)